

HUMAN MESENCEPHALON CELL LINES AND METHODS OF USE THEREFORAbstract of the Disclosure

Conditionally-immortalized human mesencephalon cell lines are provided. Such cell lines, which may be clonal, may be used to generate neurons, including dopaminergic neurons. The cell lines and/or differentiated cells may be used for the development of therapeutic agents to prevent and treat a variety of neurological diseases such as Parkinson's disease. The cell lines and/or differentiated cells may also be used in assays and for the general study of mesencephalon cell development and differentiation.